

a microactuator driven so as to swing relative to said main actuator,
said head being mounted on the end of said microactuator;

said main actuator and said microactuator being controlled so that
said head is moved in a substantially radial direction of said recording medium and
positioned over a desired track of said recording medium;

a primary resonant frequency of mechanical characteristics of said
main actuator being set to 100 Hz or higher.

REMARKS

Claims 1-7 stand rejected under 35 U.S.C. 102(e) as being anticipated by Yoshikawa et al (U.S. 6,034,834). Claim 1 has been amended to overcome this rejection. Applicants traverse this rejection because Yoshikawa et al. does not disclose (or suggest) placing the microactuator at the end of the head actuator, nor does the reference suggest mounting the head on the microactuator, as in the present invention.

Yoshikawa et al. disclose a head actuator having a main actuator and a microactuator. The microactuator drives a plurality of support arms for supporting a plurality of heads via the respective suspensions. In Yoshikawa et al. the microactuator is located at the centrobaric position of the upper and lower directions of the actuator mechanism (See Fig. 8). Yoshikawa et al. claims that this position provides almost no excitement/disturbance in the support arm.

As amended, claim 1 discloses a head actuator including a main actuator and a microactuator, wherein the head is mounted on the end of the microactuator. Thus, the microactuator is located at the end of the head actuator. Yoshikawa et al. neither disclose (nor suggest) this feature of the present invention. Therefore, because Yoshikawa et al. do not teach the arrangement as now recited, the rejection of claim 1 is respectfully traversed.

The above amendments to the claims, in view of the foregoing remarks, are believed to place the present application in condition for allowance or in proper condition for appeal. Allowance of the application is earnestly solicited. The Examiner should call Applicant's attorney if an interview would expedite prosecution.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with Markings to Show Changes Made".

Respectfully submitted,

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April 14, 2003

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

Claim 1 has been amended as follows:

1. (Amended) A head actuator for a head provided so as to be accessible to a disk-shaped recording medium rotating above a base, said head actuator comprising:

a main actuator driven so as to rotate above said base; and

a microactuator driven so as to swing relative to said main actuator,

said head being mounted on the end of said microactuator;

said main actuator and said microactuator being controlled so that

· said head is moved in a substantially radial direction of said recording medium and positioned over a desired track of said recording medium;

a primary resonant frequency of mechanical characteristics of said main actuator being set to 100 Hz or higher.